AMENDMENTS TO THE CLAIMS

Listing of Claims:

1. (Currently amended) A gray level conversion method, applied to a device comprising:

a conversion section for obtaining a conversion signal by applying a conversion process to an input signal in accordance with a first characteristic; and

a display element for executing a display with a gray level in accordance with a second characteristic with respect to ~~said~~ a value of said conversion signal,

wherein said first characteristic is set by using said second characteristic and a third characteristic with respect to said gray level in association with said input signal, wherein said third characteristic is ~~variable~~ arbitrarily set, said method comprising the steps of:

(a) finding ~~said~~ a value of said gray level given by said third characteristic in response to ~~said~~ a set value of the input signal;

(b) finding said second characteristic using said conversion signal obtained from said conversion section by adopting, as said first characteristic, a characteristic that makes said input signal and said conversion signal virtually equal to each other;

(c) finding ~~said~~ the value of said conversion signal that gives said value of said gray level found at said step (a) in accordance with said second characteristic;

(d) setting said first characteristic ~~by making~~ based on a relationship between said value of said input signal set at said

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step (a) and ~~said~~ the value of the conversion signal found at said step (~~b~~c) ~~associated with each other~~.

2-3. (Canceled)

4. (Previously presented) The gray level conversion method according to claim 1, wherein said value of said input signal is a digital value in said step (d).

5. (Original) The gray level conversion method according to claim 1, wherein said display device is a liquid crystal display.

6. (Original) The gray level conversion method according to claim 5, wherein said gray level is luminance.

7. (Currently amended) A display device comprising:

a conversion section for obtaining a conversion signal by applying a conversion process to a supplied signal in accordance with a first characteristic, said supplied signal being one of an input signal and a digital signal;

a display element for executing a display with a gray level in accordance with a second characteristic with respect to ~~said~~ a value of the conversion signal; and

a control section for generating said digital signal, said digital signal and said input signal being supplied to said conversion section exclusively from one another,

wherein said first characteristic is ~~externally found and~~ set in said conversion section based upon said second characteristic and a third characteristic with respect to said

gray level in association with said ~~input~~ supplied signal, wherein said third characteristic is ~~variable~~ <u>arbitrarily set</u>.

8-9. (Canceled)

10. (Original) The display device according to claim 7, wherein said display device is a liquid crystal display.

11. (Original) The display device according to claim 10, wherein said gray level is luminance.

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